



# Technical Data Sheet

Code **GEAL1S3BAA-1P-ASE**

Ing. Enea Mattei S.p.A.

## PRODUCT SPECIFICATIONS

6/8/18

date

draft

revision

4/12/18

issue

Model **BLADE 4s HX**

Description	WorkShop unit		
Arrangement	Silenced		
Series	BLADE	STANDARD PRODUCT	
Air End frame	M 75		
Version	n.a.		
OIL cooling medium	Air		
AIR cooling medium	Air		
Modulation	Yes		
Decompression	Yes		
Receiver	n.a.		
Inlet nominal pressure	ISO 1217	psi (a)	14.5
Inlet nominal temperature	ISO 1217	°F	68
Relative humidity	ISO 1217	%	0
Motor nominal speed	ISO 1217	rpm	1800
Nominal working pressure		psi (g)	143 (HX)
Maximum working pressure		psi (g)	150
Nominal delivery	(1)	cfm	17.6
Terminals absorbed power	(2) (6)	kW	4.30
Terminals unload absorbed power		Kw	1.30
Noise level (max)	ISO 2151 - @1 mt	dBA	61
Oil carry over		ppm	3
Total heat recovery (up to ...)		%	95
Oil circuit capacity		gallons	1

### PERFORMANCES

psi (g)	73		87		100		116		125		150		160		175	
	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW
	-	-	17.92	3.75	17.79	3.92	17.66	4.17	17.60	4.30	-	-	-	-	-	-

### ELECTRICAL CHARACTERISTICS

Electric certification			CEI	
Starting type			Full-Voltage	
Voltage -- Frequency -- Phases	V / Hz / Ph		230/60/1	
Auxiliary circuit tension	V		110	
Nominal absorbed current	(6)	A	25.1	
Minimum supply cables section (33 ft.)	AWG		10	

### MAIN MOTOR

Nominal power input	kW / HP	4 / 5
Efficiency class		NEMA T
Efficiency	%	83.4
Poles		4
Protection index	IP	55
Insulation class		F

### COOLING

Maximum ambient temperature	°F	104
Minimum ambient temperature	°F	34
Outlet AIR temperature	(5) °F	< 95
OIL maximum temperature	°F	248
OIL minimum temperature	°F	176
Fan type		Axial
Cooling AIR flow (minimum)	(3) cfm	-
Cooling AIR flow (maximum)	(4) cfm	1001
Heat Removal Oil and Aftercooler	(4) Btu/hr	14676
Fan residual head (minimum)	(3) Pa	-
Fan residual head (maximum)	(4) Pa	20
Fan absorbed power (minimum)	(3) kW	-
Fan absorbed power (maximum)	(4) kW	0.14
WATER flow	gpm	-
Water INLET temperature	°F	-
Water OUTLET maximum temperature	°F	-
Water minimum suggested pressure	psi (g)	-
Thermal recoverable power	Kcal	-

### DRYER

Refrigerant gas		-
Dew point (pressure)	°F	-
Absorbed power	kW	-
Regeneration air percentage	%	-
Supply: Voltage - frequency - phases	V / Hz / Ph	-

### DIMENSIONS

AIR outlet connection		Rp 3/4"
Condensate separator drain connection		Rp 1/2"
Condensate drain connection		-
Condensate DRYER drain connection		-
Receiver condensate drain connection		-
INLET-OUTLET water connections		-
Storage AIR receiver volume	gallons	n.a.
Width	inch	29
Length	inch	37
Height	inch	31
Weight	lbs	454

### NOTES

- ( 1 ) - According to ISO 1217 - Annex C (fixed speed) & Annex E (variable speed)
- ( 2 ) - Fan included (@ first speed if available) - Dryer input power excluded
- ( 3 ) - Fan @ lower speed (OPTIMA @ min speed)
- ( 4 ) - Fan @ faster speed (Optima : fan @50Hz)
- ( 5 ) - @ reference conditions
- ( 6 ) - OPTIMA @ 1500 rpm and 102 psi